Math 357
Short quiz 12

2024–04–10 (W)

Your name: _____

Let $K : K_0$ be a field extension, let $\alpha \in K$ be algebraic over K_0, and let $\sigma \in \mathrm{Aut}(K : K_0)$. Characterize, as precisely and as fully as possible, the polynomials in $K_0[t]$ for which α or $\sigma(\alpha)$ is a zero.